Theming Wordpress for your showcase

Mathias Funk
Jun Hu

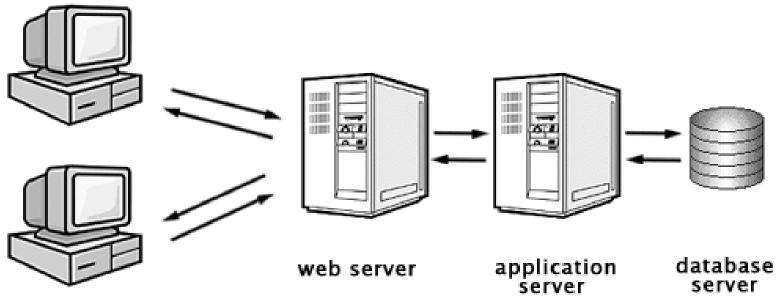
Summary

- 1. What is a CMS?
- 2. Wordpress and some important tools
 - Hands-on
- 3. Content and styling HTML and CSS
 - Hands-on
- 4. A simple theme
 - Hands-on
- 5. Building your showcase
 - Hands-on
- 6. Take away

How to manage content on the web?

WEB SERVER VS. BROWSER + WHAT IS A CMS?

Dynamic content

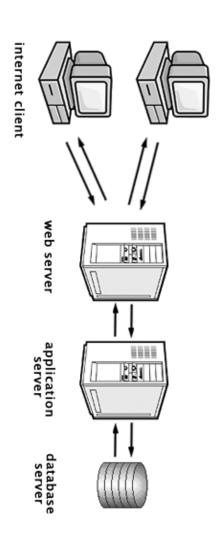


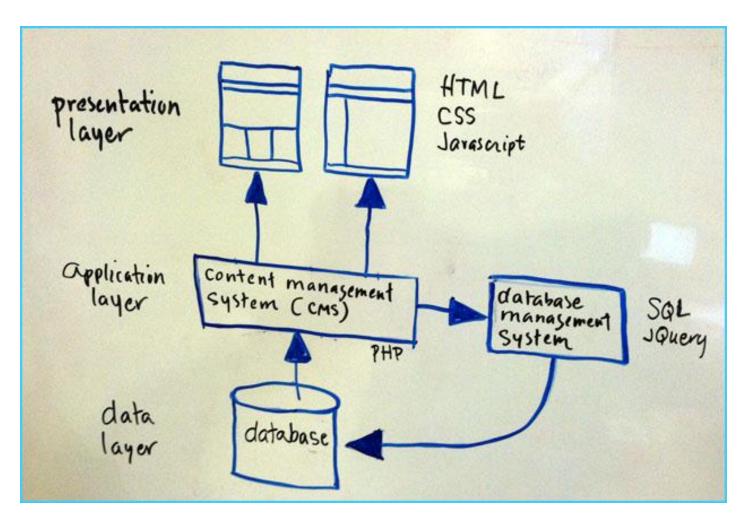
internet client

Internet Explorer	Apache	PHP	MySQL
Safari	Microsoft IIS	ColdFusion	PostgreSQL
Firefox	•••	ASP	MS SQL Server
Opera		JSP	Oracle
•••			DB2

...

Content Management Systems





Content Management Systems



Installation guide and tools you will need

WORDPRESS AND EDITORS

Installing Wordpress

- http://codex.wordpress.org/Installing WordPr ess
- Or Google "installing wordpress"
- In the following slides you will find a simple way to install Wordpress on your local computer

Local Installation (Mac)

- Bitnami:
 - http://bitnami.org/stack/wordpress
 - Or google "bitnami wordpress"
 - Download the native stack for Mac
- Install the native stack for Mac
 - Do select "PhpMyAdmin"
 - When asked, use "127.0.0.1" as the hostname.
 - Do remember your user name and password!

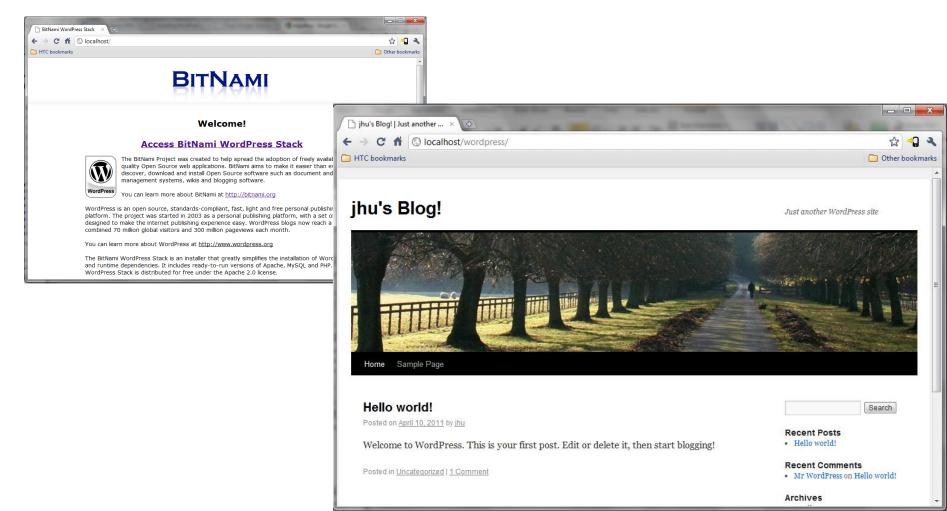
Local Installation (Windows)

• Bitnami:

- http://bitnami.org/stack/wordpress
- Or google "bitnami wordpress"
- Download the native stack for Windows
- Install the native stack for Windows
 - Do select "PhpMyAdmin"
 - When asked, use "127.0.0.1" as the hostname.
 - Do remember your user name and password!

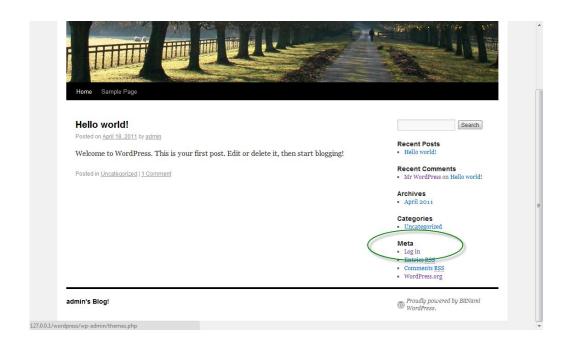
Bitnami Wordpress Stack

Try http://127.0.0.1, If you have got it right:



Backend Administration

- Login first
- Use the user name and password you selected during the installation





Bitnami Wordpress Stack (Windows)

- By default, the Wordpress files are in:
 - C:\Program Files\BitNami WordPress Stack\apps\wordpress\htdocs
 - Or
 - C:\Program Files (x86) \BitNami WordPress Stack\apps\wordpress\htdocs
- http://127.0.0.1/phpmyadmin for database administration
 - User: administrator
 - [instead of the user name you selected during installation]
 - Password: [your administration password selected during installation]
 - Remember we asked you to remember the password?

Install a proper text editor

- Dreamweaver is overkilling.
- NotePad++
 - http://notepad-plus-plus.org
- NotePad2
 - http://www.flos-freeware.ch/notepad2.html
- ...

 "Run as Administrator" might be needed for editing the PHP scripts in Installed Wordpress.

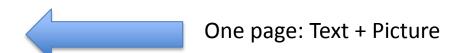
Start/Stop Apache/Mysql services

- Start >
 - All programs >
 - Bitnami Wordpress Stack >
 - Bitnami Wordpress Stack Service
 - » Start/Stop Bitnami Wordpress Stack Service

HTML / CSS

Content Structure

- Vision
- Past
 - Competencies
 - Feedback / results
- Present
 - Competencies
 - Projects
 - Assignments
- Future
 - Next semester
 - Bachelor / Master



Separation of content and style

• Web HTML CSS

• MS Word Text B i <u>u</u>

• LaTeX Text B i <u>u</u>

• CMS Content Style

•

Examples

from: http://www.csszengarden.com/

css Zen Garden

The Beauty of CSS Design

A demonstration of what can be accomplished visually through CSS-based design. Select any style sheet from the list to load it into this page.

Download the sample html file and css file

The Road to Enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, and broken CSS support.

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WaSF

The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the (yet to I

So What is This About?

There is clearly a need for CSS to be taken seriously by graphic artists. The Zen Garden aims to excite, inspire, and encourage participation. To The code remains the same, the only thing that has changed is the external .css file. Yes, really.

CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people exc structure. To date, most examples of neat tricks and hacks have been demonstrated by structurists and coders. Designers have yet to make their r

Participation

Graphic artists only please. You are modifying this page, so strong CSS skills are necessary, but the example files are commented well enough t tips on working with CSS.

You may modify the style sheet in any way you wish, but not the HTML. This may seem daunting at first if you've never worked this way before

Download the sample html file and css file to work on a copy locally. Once you have completed your masterpiece (and please, don't submit half use it, we will spider the associated images. Final submissions will be placed on our server.

Benefits

Why participate? For recognition, inspiration, and a resource we can all refer to when making the case for CSS-based design. This is sorely need historical curiosity; that day is not today.

Requirements

We would like to see as much CSS1 as possible. CSS2 should be limited to widely-supported elements only. The css Zen Garden is about funct requirement we have is that your CSS validates.

Unfortunately, designing this way highlights the flaws in the various implementations of CSS. Different browsers display differently, even compared page for information on some of the fixes available. Full browser compliance is still sometimes a pipe dream, and we do not expect you work in at least IE5+/Win and Mozilla (run by over 90% of the population), chances are we won't accept it.



DOWNLOAD THE SAMPLE HTML FILE AND CSS FILE



Littering a dark and dreary road lay the past relics of browserspecific tags, incompatible **DOM**s, and broken **CSS** support.

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the *W3C*, *WaSP* and the major browser creators.

The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the (yet to be) time-honored techniques in new and invigorating fashion. Become one with the web.

So What's This About?

There is clearly a need for **CSS** to be taken seriously by graphic artists. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The code remains the same, the only thing that has changed is the external .css file. Yes, really.

CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what it can truly be, once the reins are placed in the hands of those able to create beauty from structure. To date, most examples of next tricks and backs have

White Ilits

Mozart by Andrew Brundle
Organica Creativa by Eduardo Cesario
Wilderness by Aadesh Mistry
Faded Flowers by Mani Sheriar
Manhattan Edition by José Tomás Tocino
García

Peace Of Mind by Carlos Varela 45 RPM by Thomas Michaud Pretty in Pink by Jordi Romkema



next designs »
« previous designs
View All Designs



View This Design's CSS
CSS Resources

FAQ Submit a Design Translations



Download the sample html file

style sheet from the list to load

the road to enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, and broken CSS support.

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of for

The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. L and invigorating fashion. Become one with the web.

so what is this about?

There is clearly a need for CSS to be taken seriously by graphic artists. The Zen Garden aims to excite, inspire, and encoun designs in the list. Clicking on any one will load the style sheet into this very page. The code remains the same, the only t

CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a wa truly be, once the reins are placed in the hands of those able to create beauty from structure. To date, most examples of structurists and coders. Designers have yet to make their mark. This needs to change.

participation

Graphic artists only please. You are modifying this page, so strong CSS skills are necessary, but the example files are comm starting points. Please see the CSS Resource Guide for advanced tutorials and tips on working with CSS.

You may modify the style sheet in any way you wish, but not the HTML. This may seem daunting at first if you've never wo more, and use the sample files as a guide.

Download the sample html file and css file to work on a copy locally. Once you have completed your masterpiece (and pleater) a web server under your control. Send us a link to the file and if we choose to use it, we will spider the associated images.

benefits

Why participate? For recognition, inspiration, and a resource we can all refer to when making the case for CSS-based design sites are taking the leap, but not enough have. One day this gallery will be a historical curiosity; that day is not today.

requirements

We would like to see as much CSS1 as possible. CSS2 should be limited to widely-supported elements only. The css Zen Ga bleeding-edge tricks viewable by 2% of the browsing public. The only real requirement we have is that your CSS validates.

by Jordi Romkema it into this page. ARCHIVES and <u>css file</u>

MOZART by Andrew Brundle

WILDERNESS by Aadesh Mistry

by Mani Sheriar

FADED FLOWERS

PEACE OF MIND by Carlos Varela

by Thomas Michaud

PRETTY IN PINK

MANHATTAN EDITION by José Tomás Tocino García

ORGANICA CREATIVA by Eduardo Cesario

« PREVIOUS DESIGNS

VIEW ALL DESIGNS



🎜 SELECT A DESIGN 🍖

VIEW THIS DESIGN'S CSS

CSS RESOURCES

FAQ

SUBMIT A DESIGN

TRANSLATIONS



* the road to enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible <u>DOM</u>s, and broken CSS support.

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WaSP and the major browser creators.

The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the (yet to be) time-honored techniques in new and invigorating fashion. Become one with the web.

50 what is this about?

There is clearly a need for <u>CSS</u> to be taken seriously by graphic artists. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The code remains the same, the only thing that has changed is the external .css file. Yes, really.

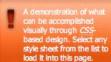
CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what it can truly be, once the reins are placed in the hands of those able to create beauty from structure. To date, most examples of neat tricks and hacks have been demonstrated by structurists and coders. Designers have yet to make their mark. This needs to change.



Graphic artists only please. You are modifying this page, so strong <u>CSS</u> skills are necessary, but the example files are commented well enough that even <u>CSS</u> novices can use them as starting points. Please see the <u>CSS</u> Resource <u>Guide</u> for advanced tutorials and tips on working with <u>CSS</u>.

You may modify the style sheet in any way you wish, but not the <u>HTML</u>. This may seem daunting at first if you've never worked this way before, but follow the listed links to learn more, and use the sample files as a quide.

Download the sample **html file** and **css file** to work on a copy locally. Once you have completed your masterpiece (and please, don't submit half-finished work) upload your .css file to a web server under your control. **Send us a link** to the file and if we choose to use it, we will spider the associated images. Final submissions will be placed on our server.





Download the sample html file and css file

Select a Design:

- . Mozart by Andrew Brundle
- Organica Creativa by Eduardo Cesario
- Wilderness by Aadesh
 Mistry
- Faded Flowers by Mani
 Shorter
- Manhattan Edition by José Tomás Tocino García
- Peace Of Mind by Carlos
 Varela
- 45 RPM by Thomas
 Michaud
- Pretty in Pink by Jordi Romkema

Archives:

- · next designs »
- « previous designs
- View All Designs

Resources:

- View This Design's CSS
- CSS Resources
- 1-07
- Submit a Design
- Translations



Why participate? For recognition, inspiration, and a resource we can all refer to when making the case for <u>CSS</u>-based design. This is sorely needed, even today. More and more major sites are taking the leap, but not enough have. One day this gallery will be a historical curiosity; that day is not today.

NERGE BEGINNETH THE TALE OF CSS AND THE PROLOGUE THEREOF: CSS ZEN GARDEN ♦ THE BEAUTY OF CSS DESIGN

A DECONSTRATION OF WHAT CAN BE ACCOMPLISHED VISUALLY THROUGH CSS-BASED DESIGN. SELECT ANY STYLE SHEET FROM THE LIST TO LOAD IT INTO THIS PAGE.

KATKATKATKATKATKATKA



he road to enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible **DOMs**, and broken **CSS** support.

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WaSP and the major browser creators.

The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the (yet to be) time-honored techniques in new and invigorating fashion. Become one with the web.

\$

O WHAT IS THIS ABOUT?

There is clearly a need for CSS to be taken seriously by graphic artists. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The code remains the same, the only thing that has changed is the external .css file. Yes, really.

CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what it can truly be, once the reins are placed in the hands of those able to create beauty from structure. To date, most examples of neat tricks and hacks have been demonstrated by structurists and coders. Designers have yet to make their mark. This needs to change.



ARTICIPATION

Graphic artists only please. You are modifying this page, so strong CSS skills are necessary, but the example files are commented well enough that even CSS novices can use them as starting points. Please see the CSS Resource Guide for advanced tutorials and tips on working with CSS.

You may modify the style sheet in any way you wish, but not the **HTML**. This may seem daunting at first if you've never worked this way before, but follow the listed links to learn more, and use the sample files as a guide.

Download the sample html file and css file

SELECT A DESIGN:

Vertigo by Antonio Cella
Vin Rouge by Thorsten Bopp
Pinups by Emiliano Pennisi
Zen City Morning by Ray Henry
Kelmscott by Bronwen Hodgkinson
Business Style by Gunta Klavina
Simple by Shawn Chin
Red Stars by Shafiq Rizwan

ARCHIVES:

next designs » « previous designs View All Designs

RESOURCES:

View This Design's CSS CSS Resources

FAQ

Submit a Design Translations

Begin to see with clerity. Learn to use the (yet to be) time-honored techniques in new end invigorating frishion. Become one with the web.





emonstration of what can be accomplished visually through CSS-based design.

Select pity style sheet from the list to load it into this page.

Select a Design:

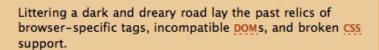
- VERTIGO by Antonio Cella
- VIN ROUGE by Thorsten Bopp
- PINUPS by Emiliano Pennisi
- ZEN CITY MORNING by Ray Henry
- KELMSCOTT by Bronwen Hodgkinson
- BUSINESS STYLE by Gunta Klavina
- SIMPLE by Shawn Chin
- RED STARS by Shafiq Rizwan

Archives:

- * NEXT DESIGNS »
- * « PREVIOUS DESIGNS
- VIEW ALL DESIGNS

DOWNLOAD THE SAMPLE HTML FILE AND CSS FILE

4 The Road to Enlightenment



Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the <u>W3C</u>, <u>WaSP</u> and the major browser creators.

The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the (yet to be) time-honored techniques in new and invigorating fashion. Become one with the web.

F So What is This About?





A demonstration of what can be accomplished visually through CSS-based design.

The Road to Enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, and broken CSS support.

Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WaSP and the major browser creators.

The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the (yet to be) time-honored techniques in new and invigorating fashion. Become one with the web.

So what is this about?

There is clearly a need for <u>CSS</u> to be taken seriously by graphic artists. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The code remains the same, the only thing that has changed is the external .css file. Yes, really.

CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what it can truly be, once the reins are placed in the hands of those able to create beauty from structure. To date, most examples of neat tricks and hacks have been demonstrated by structurists and coders. Designers have yet to make their mark. This needs to change.

Participation

Graphic artists only please. You are modifying this page, so strong <u>CSS</u> skills are necessary, but the example files are commented well enough that even CSS novices can use them as

Select a Design

Select any style sheet from the

Chien

by Alex Miller

Like the Sea

by Lars Daum

Angelus

by Vladimir Lukic

Zenfandel

by Nicholas Rougeux

by Stuart Cruickshank

Berry Flavour

by Maren Becker

a Simple Sunrise

by Rob Soule

Desar

by Zohar Arad

```
<div id="container">
       <div id="intro">
               <div id="pageHeader">
                       <h1><span>css Zen Garden</span></h1>
                       <h2><span>The Beauty of <acronym title="Cascading Style Sheets">CSS</acronym> Design</span></h2>
               </div>
               <div id="quickSummary">
                       <span>A demonstration of what can be accomplished visually through <acronym title="Cascading Style Sheets">CSS
                       <span>Download the sample <a href="zengarden-sample.html" title="This page's source HTML code, not to be modif</pre>
                </div>
               <div id="preamble">
                       <h3><span>The Road to Enlightenment</span></h3>
                       <span>Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible <acronym tit</pre>
                       <span>Today, we must clear the mind of past practices. Web enlightenment has been achieved thanks to the tirel
                       <span>The css Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to s
               </div>
        </div>
       <div id="supportingText">
               <div id="explanation">
                       <h3><span>So What is This About?</span></h3>
                       <span>There is clearly a need for <acronym title="Cascading Style Sheets">CSS</acronym> to be taken seriously
                       <span><acronym title="Cascading Style Sheets">CSS</acronym> allows complete and total control over the style o
                </div>
               <div id="participation">
                       <h3><span>Participation</span></h3>
                       <span>Graphic artists only please. You are modifying this page, so strong <acronym title="Cascading Style Shee">
                       <span>You may modify the style sheet in any way you wish, but not the <acronym title="HyperText Markup Languag"><acronym title="HyperText
                       <span>Download the sample <a href="zengarden-sample.html" title="This page's source HTML code, not to be modif</pre>
                </div>
                <div id="benefits">
                       <h3><span>Benefits</span></h3>
```

HTML

Tags

```
<h1> headline </h1>  paragraph  <a> link (anchor) </a> <img>
```

Attributes

```
<a href="http://www.tue.nl">TU/e</a></mg src="tue_logo.png">
```

HTML

Classes

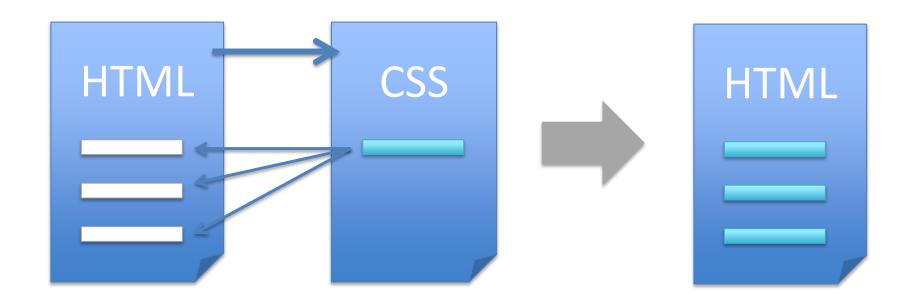
```
<h1 class="main-title">

<p class="content-text
```

Identifier

CSS

- Cascading Style Sheets
- Style HTML files



CSS

• Styling

```
Tags
    h1 {
        background-color: red;
    }
Classes
    .content-text {
            font-style: italic;
    }
Identifier
    #teaser {
            letter-spacing: 1px;
    }
```

Style hierarchy

```
#teaser a {
          text-decoration: none;
}
```

Pseudo styles

Units

```
Pixels (px)
 p {
     width: 300px;
Points (pt)
 p {
     font-size: 10pt;
Em unit (em)
 p {
     line-height: 1.5em;
 depending on font size of parent element, em is a multiplier:
 Parent font size: 16px, then 1em is exactly 16px, 1.5em is 24px etc.
```

Colors

Color name	black	red	green	blue	
RGB	rgb(0, 0, 0)	rgb(255, 0, 0)	rgb(0, 255, 0)	rgb(0, 0, 255)	rgb(255, 255 , 255)
Hex	#000000	#ff0000	#00ff00	#0000ff	#ffffff

Yellow?

Hex shorthand: #aabbcc → #abc #0033ff → #03f

Hands-on

Download HTML and CSS file from:

http://wiki.id.tue.nl/GooeySoftAndSticky?action=AttachFile&do=get&target=example1.zip

- Google: "CSS reference"
- Make this:

Showcase

- Vision
- Past
 - Competencies
 - Feedback / Results
- Present
 - Competencies
 - Projects
 - Assignments
- Future
 - Next semester
 - Bachelor / Master

Contact: email address@student.tue.nl





Showcase

- Vision
- Past

Competencies

Feedback / Results

Present

Competencies

Projects

Assignments

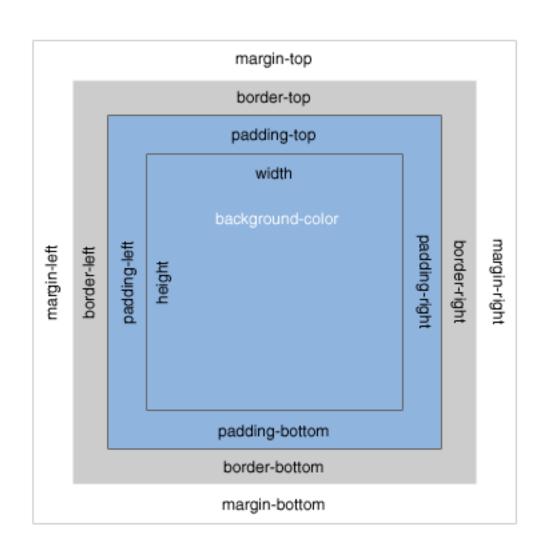
Future

Next semester

Bachelor / Master

Contact: email_address@student.tue.nl

Box model



Box model examples

border: 1px solid red;

padding: 5px;

margin: 0px 10px 10px 30px;

margin: 0px 10px 10px;

margin: 10px 0;

Positioning

- Default (static)
 - Show and hide elements
 - display: none;
 - display: block | inline;
 - Layout in order of appearance
 - Floating
 - float: left | right;
 - clear: left | right | both;
- Absolute
 - Absolute positioning
 - position: absolute;
 - top | left | right | bottom: 100px;
- Relative
 - Similar to static, but with top, left, right, bottom
 - position: relative;
 - left: -10px;
- (Fixed)

Hands-on

Download HTML and CSS file from:

http://wiki.id.tue.nl/GooeySoftAndSticky?action=AttachFile&do=get&target=example2.zip

Make this:







Showcase

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

- Vision
- Past

Competencies

Feedback / Results

Present

Competencies

Projects

Assignments

Future

Next semester

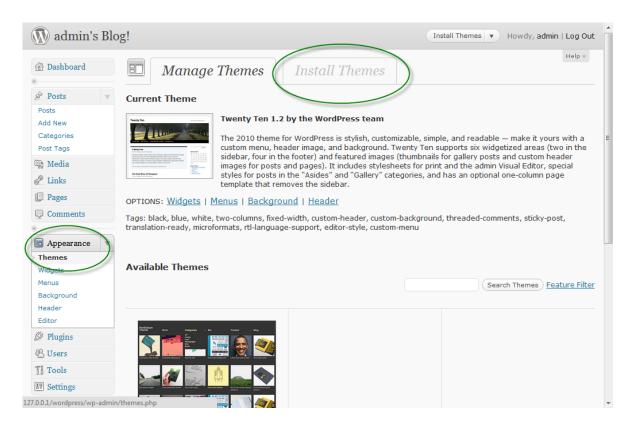
Bachelor / Master

Contact: email_address@student.tue.nl

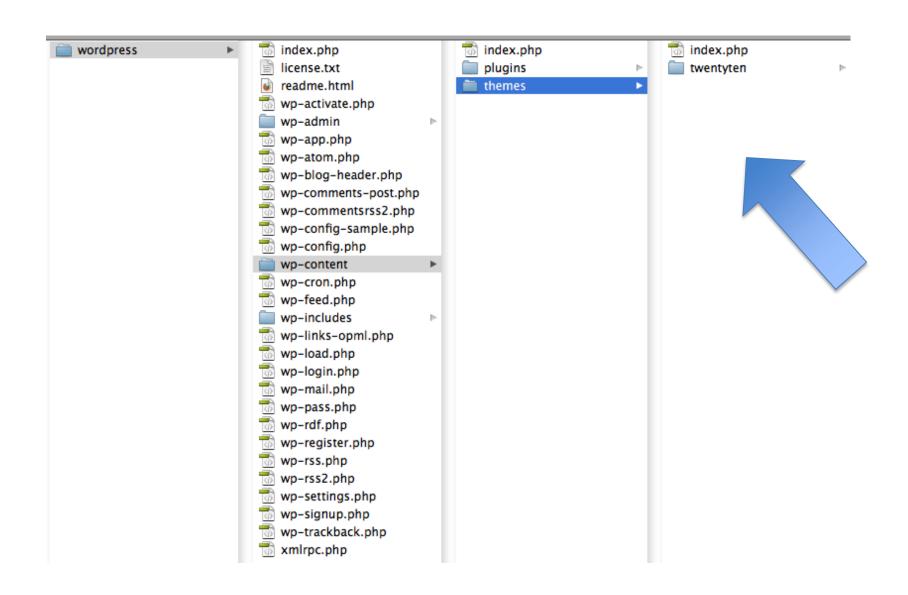
THEMES

Install Themes

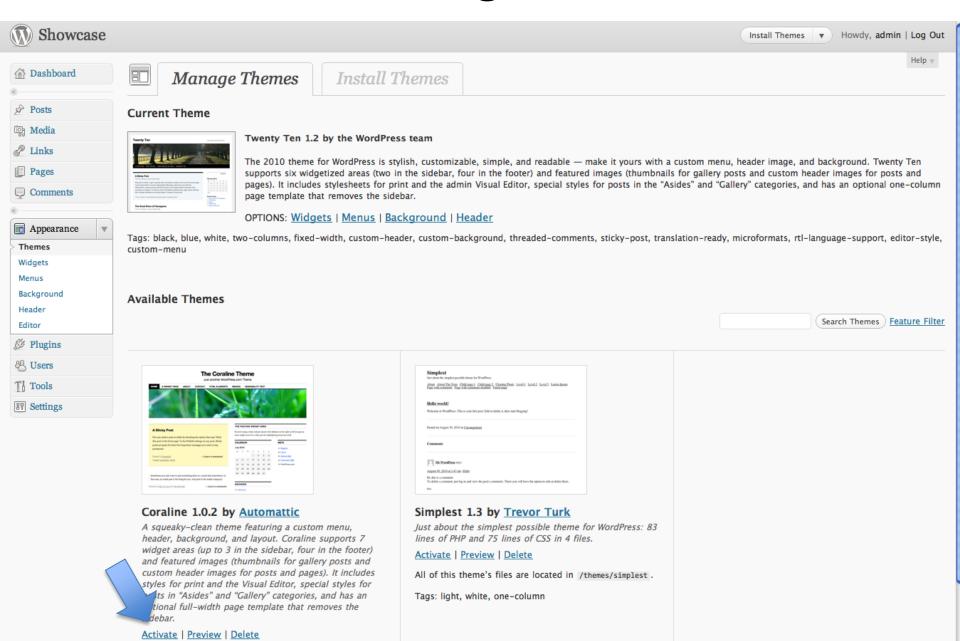
- Try to install two themes:
 - "simplest" and "coraline"



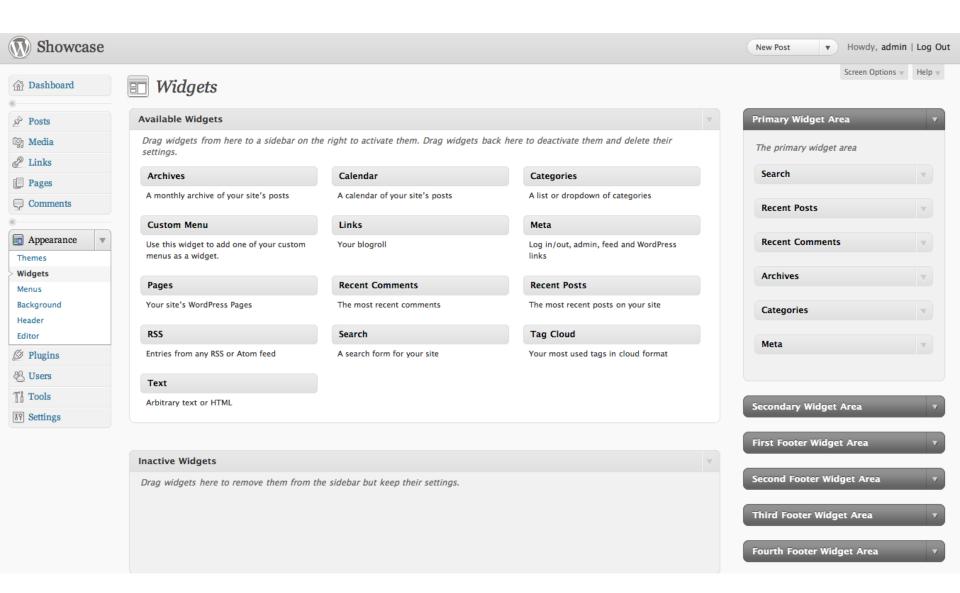
Where are the themes?



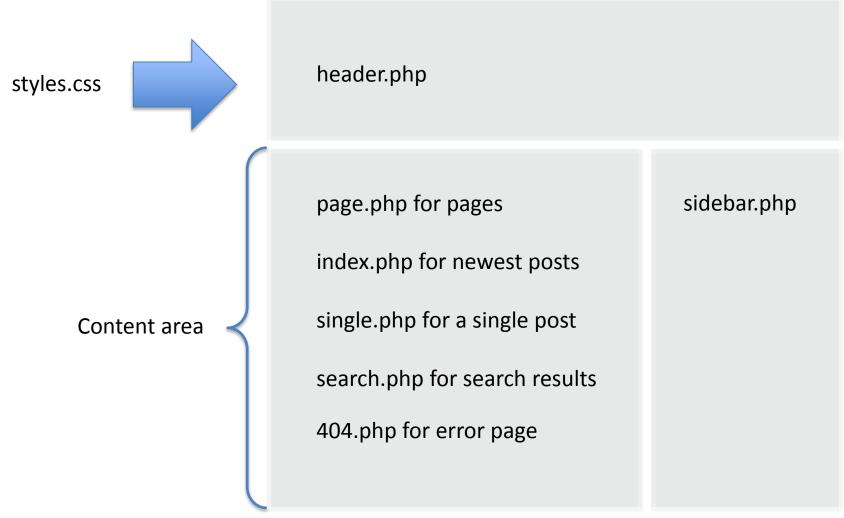
Activating themes



Widgets

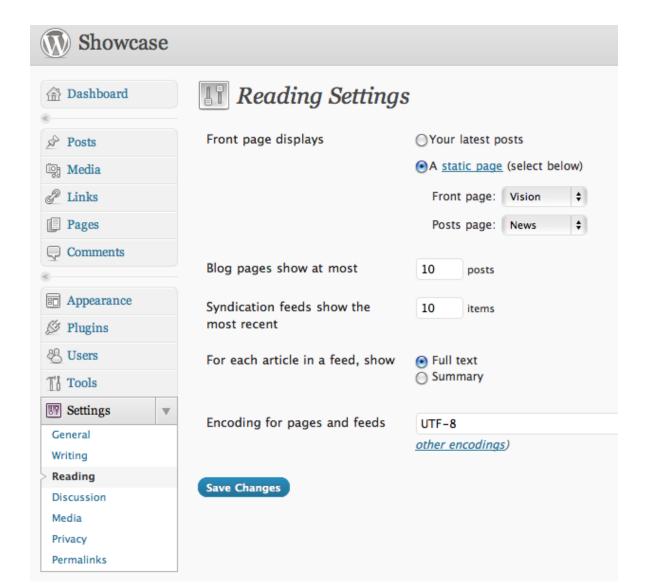


Inside a theme



footer.php

Make vision page the first page



BUILDING YOUR SHOWCASE

Hands-on

- Choose a theme
 - Install it, activate it, choose widgets
 - Customize it with additional styling
 - For a showcase, do not use "posts", but "pages" instead.
- Content
 - Create page structure as pages: Vision, Past, ...
 - Build the hierarchical structure by specifying the parent pages.
 - Write simple clear text
 - Link out
 - Have pictures and even embedded videos
- Make Vision page first page
- Spread the word!

TAKE AWAY

Using Wordpress for real

- Check your layout with different browsers (at least Firefox, Safari, IE 8 + 9)
- Move from local to a real web server
 - Export local database, then import it on new server
 - Copy templates and settings (usually just wp-content)
 - Check wp_config.php for changes (Database account)
 - Dashboard/Settings: Wordpress/site address (URL)
- Activate
 - Caching (WP Super Cache)
 - Search engine access
- Keep WP updated
- Work on the content, a LOT!

- J.hu@tue.nl
- M.funk@tue.nl